Multi-Axis Controller
V14

The V14 is a robust switching device for remote control and electro-hydraulic applications. Due to its modular design, this control unit can be used universally. The integrated sensor system has signal and potentiometer tracks in conductive plastic technology. Switching contacts are also available as an option.

Technical data

Mechanical life V14	6 million operating cycles
Operation temperature	-40°C to +85°C
Degree of protection	up to IP65

Example

V14L	S8	P	T	-01 Z C	+03 R	-A05 C61	+A110	-X

Basic unit

V14L 2-axis left

Control-handle extended

Standard 60 mm**

S8 +20 mm

**Only available in combination with grip!*

Gate

P Cross gate

Grip / Palm Grip

T Dead man

Axis 1 (direction 1-2)

01 2 contacts (2A 250 V AC15)

Z Spring return

C Mechanical encoder

Axis 2 (direction 3-4)

03 6 contacts (2A 250 V AC15)

R Friction brake

Description axis 1 (direction 1-2)

A05 Arrangement MSP21

C61 Mechanical encoder MEC 1-2

Description axis 2 (direction 3-4)

A110 Arrangement MS24-0

Special model

X Special / customer specified

Technical details may vary based on configuration or application! Technical data subject to change without notice!

Multi-Axis Controller
V14

Combination possibilities with our grips

V14L S8 P T - 01 Z C + 03 R - A05 C61 + A110 - X

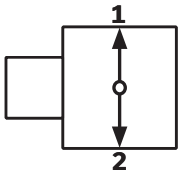
Basic unit	
V14.1L	1-axis left
V14.1R	1-axis right
V14L	2-axis left
V14R	2-axis right

Control-handle extended	
	Standard 60 mm*
S8	+20 mm
Only available in combination with a handle!	

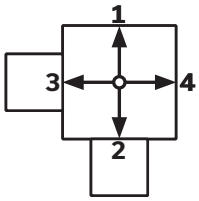
Gate	
P	Cross gate
P X	Special gate

Grip / Palm Grip	
	Knob 25 mm (standard)
M	Mechanical zero interlock
MH	Mechanical zero interlock + signal contact
T	Dead man
H	Signal button
GK1	Knob 42 mm
GK1M	Mechanical zero interlock
GK1MN	Mechanical zero interlock (push down)
GK1T	Dead man
GK1H	Signal button
GK1MH	Mechanical zero interlock + signal contact
GK1D	Push button
GK1DV	Flush push button
GS9	Hall-twist grip with spring return
GS9-D	Hall-twist grip with spring return and push button on top
B...	Palm Grip B... *(see page Palm Grip page 154)*

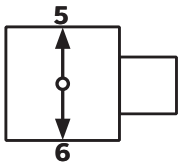
Identification of the installation variants with switching directions:



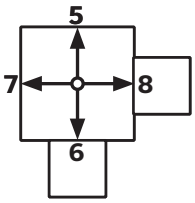
V14.1L



V14L



V14.1R



V14R

Attention! The Multi-Axis Controller V14 is not suitable for large Palm Grips (B3, B7/B8, B9...)

V14L S8 P T - 01 Z C + 03 R - A05 C61 + A110 - X

Axis 1: direction 1-2 left / direction 5-6 right			
	(Standard contacts gold-plated 2A 250V AC15)		
01	2 contacts	Standard contact - arrangement see page 122	
02	4 contacts	e.g.	
03	6 contacts	A05	MS21
		A0500	MS21-00
		A110	MS24-0
		A99 contact - arrangement according customer request	

Technical details may vary based on configuration or application! Technical data subject to change without notice!

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V14L	S8	P	T	-	01 Z C	+	03 R	-	A05	C61	+	A110	-	X

Z	Spring return *(included in basic unit!)*			
R	Friction brake			
C	Mechanical encoder	C61	MEC 1-2	
			EA/02-10	I max. 1 mA
			Potentiometer track	2 x 10 kOhm
			Direction tack	Arrangement MS26-0
		C62	MEC 1-7	
			EA/10-10	I max. 1 mA
			Potentiometer track	2 x 5 kOhm
			Direction track	Arrangement MS26-0-1
		C63	MEC 1-6	
			EA/09-10	
			6 Bit Gray Code	
		C64	MEC 1-6-5	
			ER/36-10	Us=18-30 V
			Current output 20...4...20 mA	
		C65	MEC 1-6-8	
			ER/36-12	Us=18-30 V
			Current output 20...0...20 mA	
		C67	MEC 1-6-9	
			ER/36-11	Us=18-30 V
			Voltage output 10...0...10 V	
H	Hall-Potentiometer	E14811		0,5...2,5...4,5 V / 4,5...2,5...0,5 V

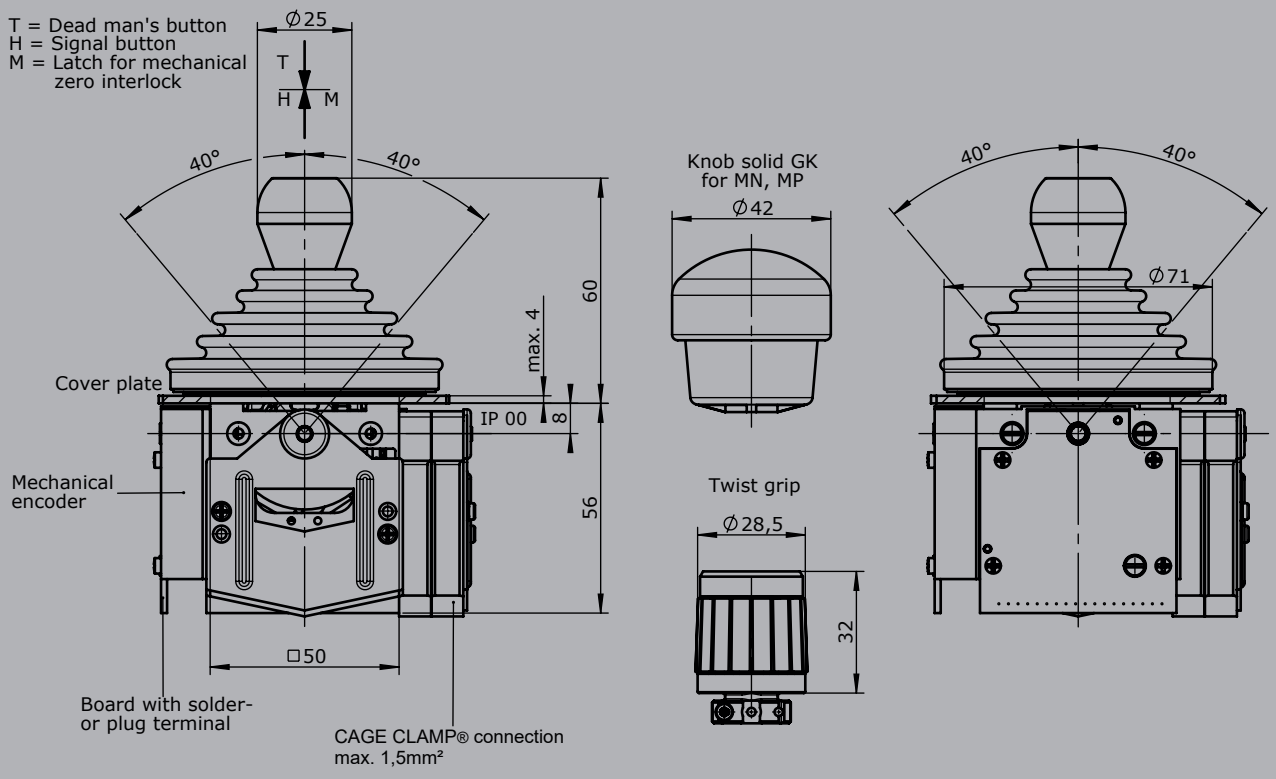
V14L	S8	P	T	-	01Z C	+	03 R	-	A05 C61	+	A110	-	X

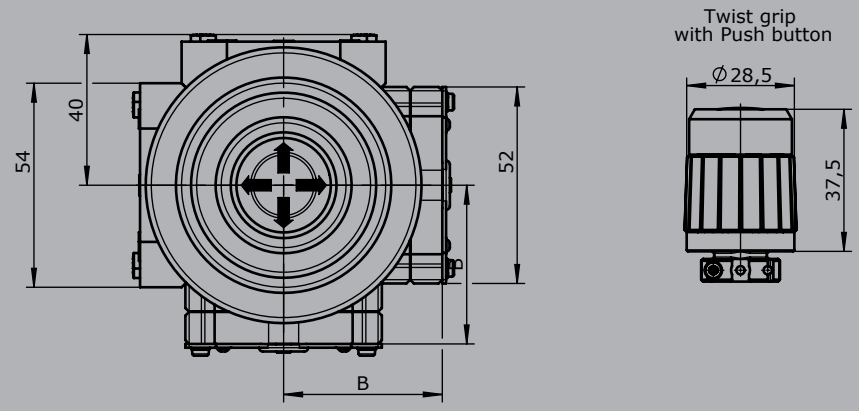
Axis 2: direction 3-4 left / direction 7-8 right *(not applied for V14.1L and V14.1R)*

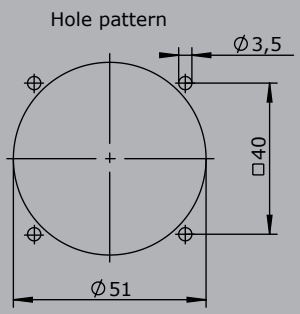
See description axis 1!

Special model

X Special / customer specified







Type	No. of contacts	Dim.
01	2	36
02	4	45
03	6	54

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